

HW

PTO/SB/21 (09-04)
Approved for use through 07/31/2006. OMB 0651-0031

Hadaséha Banasuadi Badu	ustion Act of 1005, no name	U.S.	Patent and Tr	ademark Offi	fice; U	.S. DEPARTM	ENT OF COMMERCE
Olider Hie Paberwork Redu	IGION ACCOL 1333. HO DELSON	Application Number	10/71931		333 113	AISDIAYS A VAIIC	Own William Printinger
TRANSM	Filing Date	Novembe	November 20, 2003				
FOR	First Named Inventor	Motohiko	Motohiko BUNGO				
		Art Unit	2188				
(to be used for all correspond	Examiner Name	Unknown	nknown				
Total Number of Pages in This	₹ <b>Δ</b> 1.	Attorney Docket Number	P03-1004	<b>,</b>			
		LOCUDES					
	ENC	LOSURES (Check a	il that apply		fter A	llowance Co.	mmunication to TC
Fee Transmittal Form	,   <u> </u>	Drawing(s)		LJ ~"	itei A	alowance co	Timumoation to 10
Fee Attached		Licensing-related Papers				l Communica eals and Inte	tion to Board rferences
Amendment/Reply	·   🗀	Petition				Communica	
After Final		Petition to Convert to a Provisional Application		r		etary Informa	
		Power of Attorney, Revocati			•	Letter	
Affidavits/decl	``'   [	Change of Correspondence	Address			_	(please Identify
Extension of Time Re	rquesi.				elow)		
Express Abandonmer	Request for Refund Cert. of mail post card, FC		DRM PTO/SE				
Information Disclosur	JD. NUMBEL DEGLEST			•	-	citations. \ cs/translation	
	and their abstracts/translations						
Certified Copy of Prio	ority Rema	rks					
Reply to Missing Part	ts/						
Incomplete Application Reply to Missi							
	R 1.52 or 1.53						
	SIGNATURE (	OF APPLICANT, ATT	DRNEY, C	R AGEN	IT		
Firm Name Yokoi & Co	o. U.S.A., Inc.						
Signature Maria Maria							
Printed name Hisako Muramatsu, Esq.							
Date May 3/	<b>,</b> 2005		Reg. No.	34955			
CERTIFICATE OF TRANSMISSION/MAILING							
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:							
Signature	In B						
Typed or printed name	isako Muramatsu, Eaq.			Da	ate	May 3	, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.





## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of Motohiko BUNGO

Group Art Unit: 2188

Kaoru YUASA

Examiner: Unknown

Application No.:

10/719316

Filed: November 20, 2003

For: Memory Module and Memory Assist Module

## INFORMATION DISCLOSURE STATEMENT UNDER 37 § \$ 1.97 AND 1.98

U.S. Patent and Trademark Office Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1340

Dear Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant(s) hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08a and/or b form(s) and/or listed herein and which the Examiner may deem material to patentability of the claims of the claims of the above identified application.

One copy of each the listed documents is submitted herewith, except such may not be attached in case of U.S. patent(s) and U.S. patent application publication(s).

The present Information Disclosure Statement is being filed: (1) no later than three months from the application's filing date for an application; or (2) before the mailing date of the first Office Action, whichever is later. Therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant(s) does not waive any right to take any action that would

be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Respectfully submitted,

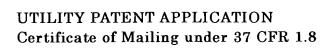
Hisako Muramatsu

Reg. No. 34,955

Yokoi & Co. U.S.A., Inc.

Tel/Fax (310) 578-2340

Date: May <u>31</u>, 2005



U.S. Patent and Trademark Office Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Atty Docket No. P03-1004

Application Serial No.: 10/719316

Name of Inventor(s): Motohiko BUNGO, Kaoru YUASA

Filed: November 20, 2003

For: Memory Module and Memory Assist Module

Dear Sir:

I hereby certify that this paper and the following documents referred below are being deposited with the United States Postal Service with sufficient postage on date: May 3/, 2005 as first class mail under 37 C.F.R. 1.8, addressed to U.S. Patent and Trademark Office, Commissioner for Patents, P.O.BOX 1450, Alexandria, VA 22313-1450.

Enclosed Documents:

·Transmittal;

·IDS letter, Form PTO/SB/08, and 4 copies of citations, and their translations/abstracts:

Return post card.

Date: May 31, 2005

Hisako MURAMATSU

Yokoi & Co. U.S.A., Inc. 13700 Marina Pointe Drive #1512 Marina del Rey, CA 90292 Tel/ Fax (310) 578-2340 OIPE COLOR

Sheet 1

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

der the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known				
Application Number	10/719316			
Filing Date	November 20, 2003			
First Named Inventor	Motohiko BUNGO			
Art Unit	2188			
Examiner Name	Unknown			
Attorney Docket Number	P03-1004			

			U. S. PATENT D	OCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (if known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear
		UŞ-			
-		US-			
		US-			
		US-			
•		US-			
		US-			
		US-	·		
		US-			
		US-			
•		US-			
		US-			
		US-			
		U\$-			
		US-			

		FOREIGN	PATENT DOCU	IMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T <sup>6</sup>
		JP09-231747	09-05-1997	Timothy J Dill, et al.		
		JP09-231747 pat. abstract	09-05-1997	Timothy J Dill, et al.		
		JP61-134982	06-23-1986	Kazuya KOBAYASHI		
		JP61-134982 pat. abstract	06-23-1986	Kazuya KOBAYASHI		
		Office action,				
		JP app.2002-2577/3, mailed 01-13	2005			

Examiner Signature Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
as collection of information unless if contains a walled OMB contains as

e required to respond to a collection	and Trademark Office; U.S. DEF ACTIVITY of information unless it contains a valid OMB control number.  Complete if Known
Application Number	10/719316
Filing Date	November 20, 2003
First Named Inventor	Motohiko BUNGO
Art Unit	2188
Examiner Name	Unknown
Attorney Docket Number	P03-1004
	Application Number  Filing Date  First Named Inventor  Art Unit  Examiner Name

		NON PATENT LITERATURE DOCUMENTS  Include name of the article (when appropriate), title of the article (when appropriate	
Examiner Initials*	Cite No. <sup>1</sup>	the item (book, magazine, journal, senal, symposium, pumber(s), publisher, city and/or country where published.	T <sup>2</sup>
		TADASHI OKADA, Basic Characteristics of Memory IC, Memory IC Utilization Handbook, Aug. 10, 1991, CQ Publishing Office, Japan	~
	-		
	-		<del>                                     </del>

		Date	
Examiner		Considered	
Signature	whether or not citation is in conformance with MPEP 60	9. Draw line through o	itation if not in conformance and not

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Initial conformance considered in initial conformance considered in initial conformance considered in initial conformation is form with next communication to applicant.

Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO This collection of information. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including to process. Any comments on the user of the complete description of the USPTO. Time will vary depending upon the individual case. Any comments on the user of the complete description of the user of the complete description of the user of t